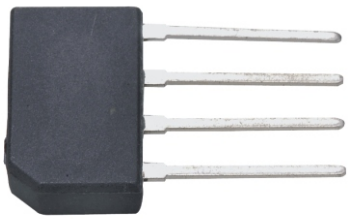
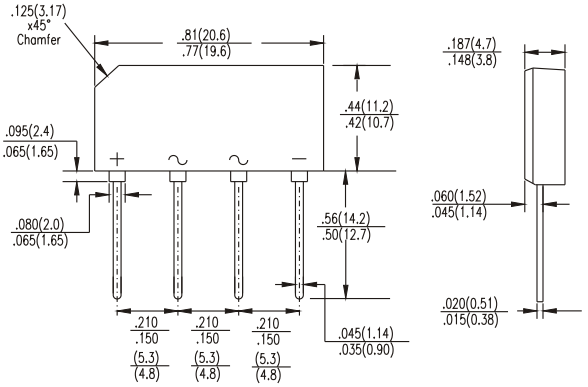
GBJ/KBJ2A thru GBJ/KBJ2M

SILICON BRIDGE RECTIFIERS
GLASS PASSIVATED
BRIDGE RECTIFIERS

CHENG-YI
ELECTRONIC



REVERSE VOLTAGE -50 to 1000 Volts
FORWARD CURRENT -4.0 Amperes



Dimensions in inches and (millimeters)

FEATURES

- Surge overload rating-50 amperes peak
- Ideal for printed circuit board
- Plastic material has Underwriters Laboratory Flammability classification 94V-O
- Mounting Position: Any

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz.
For capacitive load, derate current by 20%.

	GBJ KBJ 2A	GBJ KBJ 2B	GBJ KBJ 2D	GBJ KBJ 2G	GBJ KBJ 2J	GBJ KBJ 2K	GBJ KBJ 2M	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Output Current @ T_A=50°C (Note 1)	2.0							A
Peak Forward Surge Current 8.3 ms single half sine-wave super imposed on rated load	50.0							A
Maximum DC Forward Voltage drop per element at 1.0A Peak	1.0							V
Maximum DC Reverse Current at Rate DC Blocking Voltage per Element	10.0							μA
Maximum Reverse Current at Rated DC Blocking Voltage per Element TA=100° C	1.0							mA
Operating Temperature Range TJ	-55 to +125							°C
Storage Temperature Range TA	-55 to +150							°C

NOTE: 1. Mounting conditions, 0.5" lead length maximum.

GBJ/KBJ2A thru GBJ/KBJ2M

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RATING AND CHARACTERISTICS CURVES
GBJ/KBJ2A THRU GBJ/KBJ2M

Fig.2 - DERATING CURVE
OUTPUT RECTIFIED CURRENT

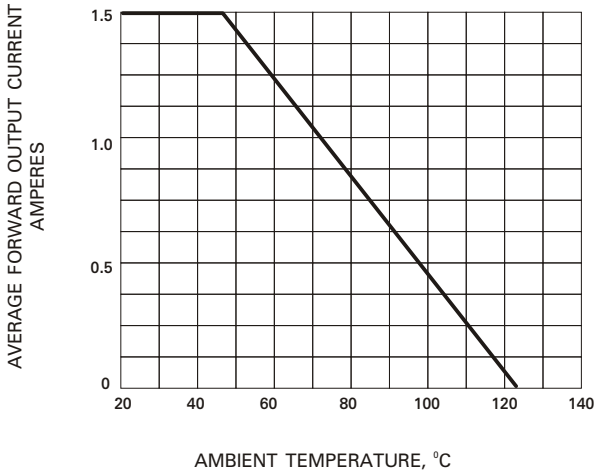

FIG. 2 - TYPICAL FORWARD
CHARACTERISTICS

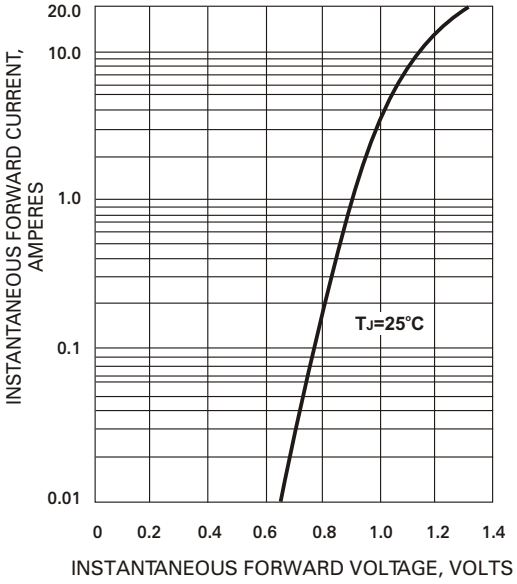

FIG. 3 - TYPICAL REVERSE
CHARACTERISTICS

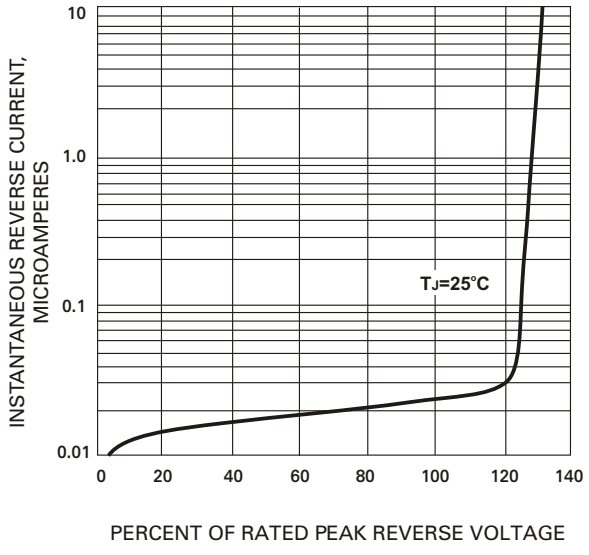

FIG. 4 - MAXIMUM FORWARD SURGE CURRENT